



IES INDOOR REPORT
PHOTOMETRIC FILENAME : CLRL8-11L-CS1-46-830.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] LED-13803
[TESTLAB] LSI INDUSTRIES, INC.
[ISSUEDATE] 1/3/25
[TESTDATE] 12/09/22
[MANUFAC] LSI INDUSTRIES, INC.
[LUMCAT] CLRL8-11L-CS1-46-830
[TEST PROCEDURE] IESNA LM-79-19
[ABSOLUTE] NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED.
[FACTORED] SCALED FROM ORIGINAL TEST DATA
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_COLORTEMP] 3000
[TESTED]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9748
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	80
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	7.40 ft
Luminous Width (90-270)	0.67 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3391	3712	4057
55	3724	4173	4652
65	4003	4539	5086
75	3908	4599	5020
85	3952	3602	3051

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1096	1096	1096	1096	1096
2.5	1118	1102	1096	1090	1080
5.0	1122	1106	1100	1094	1086
7.5	1124	1110	1106	1100	1094
10.0	1130	1116	1112	1110	1104
12.5	1134	1120	1120	1122	1118
15.0	1138	1128	1130	1138	1134
17.5	1142	1132	1140	1154	1154
20.0	1146	1140	1154	1172	1174
22.5	1150	1146	1166	1192	1196
25.0	1152	1152	1178	1212	1220
27.5	1154	1158	1192	1232	1242
30.0	1156	1160	1204	1250	1266
32.5	1154	1162	1212	1268	1284
35.0	1150	1162	1220	1282	1300
37.5	1142	1158	1222	1292	1312
40.0	1132	1150	1220	1296	1320
42.5	1118	1140	1216	1296	1322
45.0	1100	1124	1204	1288	1316
47.5	1078	1106	1188	1276	1306
50.0	1050	1078	1164	1254	1288
52.5	1020	1048	1134	1228	1260
55.0	980	1010	1098	1192	1224
57.5	936	966	1056	1146	1178
60.0	888	918	1004	1092	1128
62.5	836	862	948	1030	1062
65.0	776	800	880	960	986
67.5	710	732	804	880	900
70.0	630	658	726	786	804
72.5	548	572	644	684	702
75.0	464	488	546	578	596
77.5	380	406	450	474	490
80.0	304	330	352	376	382
82.5	234	250	252	256	248
85.0	158	156	144	132	122
87.5	76	64	46	32	24
90.0	20	14	16	16	12
92.5	116	62	34	34	30
95.0	216	184	124	68	58
97.5	292	286	278	266	246
100.0	358	376	400	460	494
102.5	426	460	510	612	676
105.0	504	544	604	744	824
107.5	580	616	684	856	944
110.0	658	686	758	952	1044
112.5	720	748	830	1024	1124
115.0	768	792	900	1076	1176
117.5	796	818	946	1112	1210
120.0	808	834	962	1136	1222
122.5	814	848	956	1144	1230
125.0	824	866	952	1132	1222
127.5	836	872	950	1106	1186
130.0	844	866	942	1070	1138
132.5	842	852	922	1022	1090

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CANDELA TABULATION - (Cont.)

135.0	830	834	890	974	1034
137.5	812	820	858	942	974
140.0	790	812	842	916	928
142.5	778	800	832	884	902
145.0	776	782	818	846	876
147.5	776	764	790	816	842
150.0	778	752	768	804	818
152.5	770	750	756	790	796
155.0	758	752	754	774	768
157.5	744	752	752	760	742
160.0	736	748	740	748	732
162.5	736	742	726	738	732
165.0	742	738	716	726	730
167.5	748	738	720	720	724
170.0	748	736	726	722	720
172.5	740	730	726	722	720
175.0	730	722	718	714	710
177.5	722	712	708	704	700
180.0	706	706	706	706	706

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	427.39	N.A.	4.40
0-30	975.13	N.A.	10.00
0-40	1741.26	N.A.	17.90
0-60	3652.81	N.A.	37.50
0-80	5084.25	N.A.	52.20
0-90	5253.87	N.A.	53.90
10-90	5148.39	N.A.	52.80
20-40	1313.88	N.A.	13.50
20-50	2244.39	N.A.	23.00
40-70	2777.4	N.A.	28.50
60-80	1431.44	N.A.	14.70
70-80	565.59	N.A.	5.80
80-90	169.62	N.A.	1.70
90-110	845.72	N.A.	8.70
90-120	1759.07	N.A.	18.00
90-130	2644.61	N.A.	27.10
90-150	3864.93	N.A.	39.60
90-180	4494.33	N.A.	46.10
110-180	3648.61	N.A.	37.40
0-180	9748.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.48
10-20	321.90
20-30	547.75
30-40	766.13
40-50	930.51
50-60	981.04
60-70	865.85
70-80	565.59
80-90	169.62
90-100	181.98
100-110	663.74
110-120	913.35
120-130	885.54
130-140	705.68
140-150	514.65
150-160	352.71
160-170	207.72
170-180	68.96

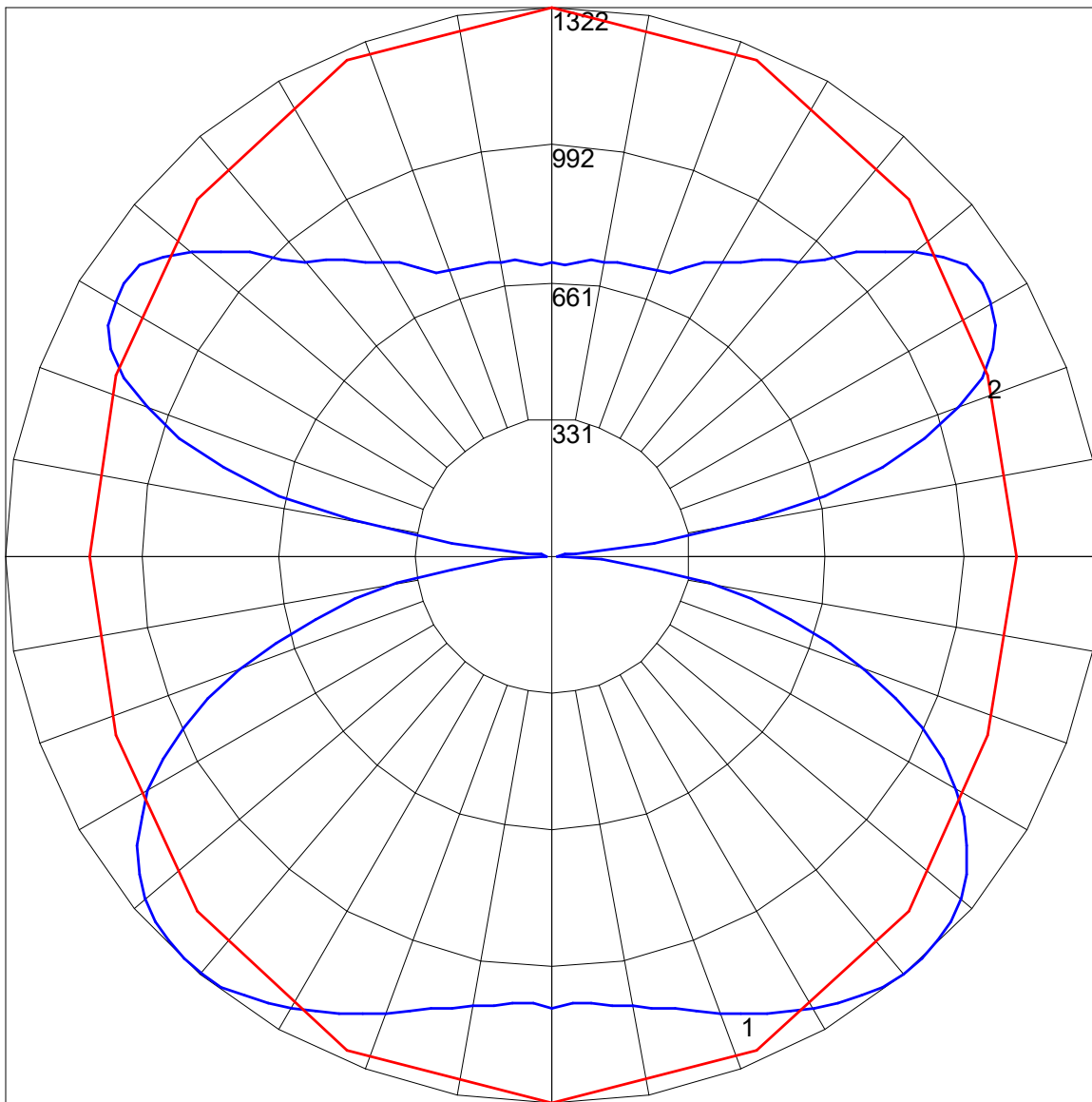
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54
1	98	93	88	84	90	86	82	79	73	70	68	62	60	58	51	49	48	43
2	88	80	73	67	81	74	68	63	63	58	54	53	49	46	43	41	39	34
3	79	69	61	55	73	64	57	51	55	49	44	46	42	38	38	34	32	28
4	72	60	52	45	66	56	48	42	48	42	37	40	35	32	33	29	27	23
5	66	53	45	38	61	50	42	36	42	36	31	35	31	27	29	25	22	19
6	60	47	39	33	56	44	36	31	38	31	27	32	27	23	26	22	19	16
7	56	43	34	28	51	40	32	26	34	28	23	29	24	20	24	20	17	14
8	51	38	30	25	47	36	28	23	31	25	20	26	21	18	21	18	15	12
9	48	35	27	22	44	33	25	20	28	22	18	24	19	15	20	16	13	11
10	45	32	24	19	41	30	23	18	26	20	16	22	17	14	18	14	12	10

POLAR GRAPH



Maximum Candela = 1322 Located At Horizontal Angle = 90, Vertical Angle = 42.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (42.5) (Through Max. Cd.)